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7/5/06

Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5 Attorney Docket Number PF132P3D2

**Complete If Known**

Application Number	10/646,770
Filing Date	August 25, 2003
First Named Inventor	Haodong Li
Art Unit	1646
Examiner Name	Mertz, P.

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PM	A	4,897,348	01-30-1990	Johnson et al.	
	B	5,011,912	04-30-1991	Hopp et al.	
	C	5,278,287	01-11-1994	Rollins et al.	
	D	5,306,709	04-26-1994	Gewirtz	
	E	5,346,686	09-13-1994	Lyle et al	
	F	5,413,778	05-09-1995	Kunkel et al.	
	G	5,474,983	12-12-1995	Kuna et al.	
	H	5,602,008	02-11-1997	Wilde et al.	
	I	5,936,068	08-10-1999	Wilde et al.	
	J	6,096,300	08-01-2000	Hromas	
	K	6,174,995-B1	01-16-2001	Li et al.	
↓	L	6,673,344-B1	01-06-2004	Li et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
PM	M	EP-0538 030 2	04-21-1993	Walz et al.	
	N	JP-07089866	04-04-1995	Nippon Kayaku Co. Ltd.	
	O	WO-90/06321	06-14-1990	Sandoz AG et al.	
	P	WO-91/04274	04-04-1991	Genetics Institute, Inc. et al.	
	Q	WO-91/12815	09-05-1991	Bristol-Myers Squibb Co.	
	R	WO-92/05198	04-02-1992	Chiron Corp.	
	S	WO-92/20372	11-26-1992	Dana Farber Cancer Institute	
	T	WO-95/17092	06-29-1995	Human Genome Sciences, Inc.	
	U	WO-95/31467	11-23-1995	Human Genome Sciences, Inc.	
	V	WO-95/31468	11-23-1995	Human Genome Sciences, Inc.	
	W	WO-96/05856	02-02-1996	Human Genome Sciences, Inc.	
	X	WO-96/06169	02-29-1996	Human Genome Sciences, Inc.	
	Y	WO-96/09062	03-28-1996	Univ. of Nebraska Board of Regents	
	Z	WO-96/16979	06-06-1996	Incyte Pharmaceuticals, Inc.	
	AA	WO-96/39520	12-12-1996	Human Genome Sciences, Inc.	
	AB	WO-96/39521	12-12-1996	Human Genome Sciences, Inc.	
	AC	WO-96/39522	12-12-1996	Human Genome Sciences, Inc.	
	AD	WO-97/15594	05-01-1997	SmithKline Beecham Corp.	
↓	AE	WO-97/15595	05-01-1997	SmithKline Beecham Corp.	

Examiner Signature	Prema Meng	Date Considered	7/5/06
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Sheet 2 of 5 Attorney Docket Number PF132P3D2

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
PM	AF	WO-97/31098	08-28-1997	Human Genome Sciences, Inc.		
	AG	WO-97/35982	10-02-1997	ICOS Corp.		
	AH	WO-98/01557	01-15-1998	Schering Corp.		
	AI	WO-98/09171	03-05-1998	SmithKline Beecham Corp. et al.		
	AJ	WO-98/11226	03-19-1998	Schering Corp.		
	AK	WO-98/14573	04-04-1998	General Hospital Corp.		
	AL	WO-98/17800	04-30-1998	Shionogi & Co., Ltd.		
	AM	WO-98/21330	05-22-1998	Indiana Univ. Foundation		
↓	AN	WO-99/47674	09-23-1999	Corixa Corp.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PM	AN	ADAMS et al., GenBank Accession No. AA297433 (April 18, 1997)	
	AO	HILLIER et al., GenBank Accession No. AA403048 (May 16, 1997)	
	AP	HILLIER et al., GenBank Accession No. AA404346 (May 16, 1997)	
	AQ	HILLIER et al., GenBank Accession No. AA426245 (October 16, 1997)	
	AR	MARRA et al., GenBank Accession No. AA739063 (January 14, 1998)	
	AS	GARCIA-ZEPEDA et al., GenBank Accession No. AAB38703 (December 16, 1996)	
	AT	HROMAS et al., GenBank Accession No. AAB61534.1 (August 6, 1996)	
	AU	ROSSI et al., GenBank Accession No. AAC50943.1 (August 6, 1996)	
	AV	DANTE et al., GenBank Accession No. AC002482 (August 21, 1997)	
	AW	HILLIER et al., GenBank Accession No. AI735669 (June 14, 1999)	
	AX	STRAUSBERG, GenBank Accession No. AI925360 (September 2, 1999)	
	AY	HEIN et al., GenBank Accession No. AJ000979 (June 30, 1997)	
	AZ	BARTELS et al., GenBank Accession No. AJ001634 (September 10, 1997)	
	BA	BARTELS et al., GenBank Accession No. CAA04888 (September 10, 1996)	
	BB	POWER et al., GenBank Accession No. CAA66950 (December 16, 1997)	
	BC	BARTELS et al., GenBank Accession No. CAB01111 (July 30, 1996)	
	BD	BARTELS et al., GenBank Accession No. CAB01112 (July 30, 1996)	
	BE	MATOBA et al., GenBank Accession No. D17181 (June 21, 1993)	
	BF	SUDO et al., GenBank Accession No. D31065 (February 8, 1995)	
	BG	HIESHIMA et al., GenBank Accession No. D86955 (March 6, 1997)	
↓	BH	WILDE et al., GenBank Accession No. I35613 (February 22, 1997)	

Examiner Signature	Pennu Mertz	Date Considered	7/5/06
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Sheet 3 of 5 Attorney Docket Number PF132P3D2

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Application Number	10/646,770
Filing Date	August 25, 2003
First Named Inventor	Haodong Li
Art Unit	1646
Examiner Name	Mertz, P.

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PM	BI	CHOI et al., GenBank Accession No. R29479 (April 25, 1995)	
	BJ	BELL et al., GenBank Accession No. T27336 (December 6, 1994)	
	BK	BELL et al., GenBank Accession No. T27433 (December 6, 1994)	
	BL	HILLIER et al., GenBank Accession No. T64134 (February 17, 1995)	
	BM	HILLIER et al., GenBank Accession No. T64262 (February 17, 1995)	
	BN	GARCIA-ZEPEDA et al., GenBank Accession No. U46767 (December 14, 1996)	
	BO	HROMAS et al., GenBank Accession No. U64197 (June 25, 1997)	
	BP	ROSSI et al., GenBank Accession No. U77035 (January 23, 1997)	
	BQ	HILLIER et al., GenBank Accession No. W44398 (June 11, 1998)	
	BR	MARRA et al., GenBank Accession No. W57475 (September 7, 1998)	
	BS	HILLIER et al., GenBank Accession No. W61279 (September 24, 1998)	
	BT	POWER et al., GenBank Accession No. X98306 (July 20, 1998)	
	BU	BARTELS et al., GenBank Accession No. Z77650 (July 30, 1996)	
	BV	BARTELS et al., GenBank Accession No. Z77651 (July 30, 1996)	
	BW	BANDMAN et al., Geneseq Accession No. AAR95690 (December 20, 1996)	
	BX	KREIDER et al., Geneseq Accession No. AAW17660 (December 16, 1997)	
	BY	ADAMS et al., Geneseq Accession No. R93087 (August 27, 1996)	
	BZ	BANDMAN et al., Geneseq Accession No. R95690 (December 20, 1996)	
	CA	GODISKA et al., Geneseq Accession No. T90880 (May 21, 1998)	
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	CM	BERGER, M.S., "Isolation of Monocyte Chemotactic Protein-4," Clinical Res. 42(2):305A (1994)	
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	CO	BLUM et al., "Three Human Homologs of a Murine Gene Encoding an Inhibitor of Stem Cell Proliferation," DNA and Cell Biol. 9(8):589-602 (1990)	
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	CQ	CLEMENTS et al., "Biological and Structural Properties of MIP-1a Expressed in Yeast," Cytokine 4(1):76-82 (Jan. 1992)	

Examiner Signature

Perna Mertz

Date Considered

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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<b>Complete If Known</b>	
Application Number	10/646,770
Filing Date	August 25, 2003
First Named Inventor	Haodong Li
Art Unit	1646
Examiner Name	Mertz, P.
Attorney Docket Number	PF132P3D2

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PM	CR	CRADDOCK et al., "Antibodies to VLA4 integrin mobilize long-term repopulating cells and augment cytokine-induced mobilization in primates and mice," Blood 90(12):4779-4788 (Dec. 15, 1997)	
	CS	DERYNCK et al., "Recombinant Expression, Biochemical Characterization, and Biological Activities of the Human MGSA/gro Protein," Biochem. 29(44):10225-10233 (1990)	
	CT	FURUTA et al., "Production and Characterization of Recombinant Human Neutrophil Chemotactic Factor," J. Biochem. 106:436-441 (1989)	
	CU	GARCIA-ZEPEDA et al., "Human monocyte chemoattractant protein (MCP)-4 is a novel CC chemokine with activities on monocytes, eosinophils, and basophils induced in allergic and nonallergic inflammation that signals through the CC chemokine receptors (CCR)-2 and -3," J. Immunol. 157(12):5613-5626 (Dec. 15, 1996)	
	CV	GEORGE et al., "Current Methods in Sequence Comparison and Analysis, Macromolecular Sequencing & Synthesis," Alan R. Liss, Inc. Ch. 12:127-149 (1988)	
	CW	GLOVER, David M., "Gene Cloning: The Mechanics of DNA Manipulation," Chapman and Hall Ch.1-8:1-218 (1984)	
	CX	GRAHAM et al., "SCI/MIP-1 $\alpha$ : A Potent Stem Cell Inhibitor with Potential Roles in Development," Develop. Biol. 151:377-381 (1992)	
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	CZ	HIESHIMA et al., "Molecular Cloning of a Novel Human CC Chemokine Liver and Activation-regulated Chemokine (LARC) Expressed in Liver," J. Biol. Chem. 272(9):5846-5853 (Feb. 28, 1997)	
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	DD	KUNA et al., "Monocyte Chemoattractant and Activating Factor Is a Potent Histamine-releasing Factor for Human Basophils," J. Exp. Med. 175:489-493 (Feb. 1992)	
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	DG	LATERVEER et al., "Rapid mobilization of hematopoietic progenitor cells in rhesus monkeys by a single intravenous injection of interleukin-8," Blood 87(2):781-788 (Jan. 15, 1996)	
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	DI	LERNER, Richard A., "Tapping the immunological repertoire to produce antibodies of predetermined specificity," Nature 299:592-596 (Oct. 14, 1982)	
✓	DJ	LIU et al., "The granulocyte colony-stimulating factor receptor is required for the mobilization of murine hematopoietic progenitors into peripheral blood by cyclophosphamide or interleukin-8 but not fit-3 ligand," Blood 90(7):2522-2528 (Oct. 1, 1997)	

Examiner Signature	Premra Mertz	Date Considered	7/5/06
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Sheet 5 of 5 Attorney Docket Number PF132P3D2

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PM	DK	LUKACS et al., "The Role of Macrophage Inflammatory Protein 1a in Schistosoma mansoni," J. of Exp. Med. 177:1551-1559 (June 1993)	
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	DO	OPDENNAKER et al., "Human monocyte chemotactic protein-3 (MCP-3): molecular cloning of the cDNA and comparison with other chemokines," Biochem. Biophys. Res. Commun. 191(2):535-542 (Mar. 15, 1993)	
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	DQ	SANDHU, JS., "Protein Engineering of Antibodies," Critical Rev. in Biotechnol. 12:437-445 (1992)	
	DR	SCHALL, Thomas J., "Biology of the RANTES/SIS Cytokine Family," Cytokine 3(3):165-183 (May 1991)	
	DS	SCHALL et al., "Molecular cloning and expression of the murine RANTES cytokine: structural and functional conservation between mouse and man," Eur. J. Immunol. 22:1477-1481 (June 1992)	
	DT	SUDO et al., "2058 Expressed Sequence Tags (ESTs) from a Human Fetal Lung cDNA Library," Genomics 24:276-279 (1994)	
	DU	TAUB et al., "Chemokines, inflammation and the immune system," Ther. Immunol. 1(4):229-246 (Aug. 1994)	
	DV	UGUCCIONI et al., "Monocyte Chemotactic Protein 4 (MCP-4), a Novel Structural and Functional Analogue of MCP-3 and Eotaxin," J. Exp. Med. 183:2379-2384 (May 1996)	
	DW	WOLPE et al., "Macrophage inflammatory proteins 1 and 2: members of a novel superfamily of cytokines," FASEB J. 3:2565-2573 (1989)	
	DX	WOLPE et al., "Identification and characterization of macrophage inflammatory protein 2," Proc. Natl. Acad. Sci. USA, 86:612-616 (1989)	
	DY	WOLPE et al., "Macrophages secrete a novel heparin-binding protein with inflammatory and neutrophil chemokinetic properties," J. Exp. Med., 167:570-581 (1988)	
	DZ	WIDMER, Urs, et al., Genomic Cloning and Promoter Analysis of Macrophage Inflammatory Protein (MIP)-2, MIP-1 $\alpha$ , and MIP-1 $\beta$ , Members of the Chemokine Superfamily of Proinflammatory Cytokines," J. Immunol. 150(11):4996-5012 (June 1, 1993)	
	EA	YOSHIMURA et al., "Production and characterization of mouse monoclonal antibodies against human monocyte chemoattractant protein-1," J. Immunol. 147:2229-2233 (1991)	
↓	EB	ZIPFEL et al., "Mitogenic Activation of Human T Cells Induces Two Closely Related Genes Which Share Structural Similarities with a New Family of Secreted Factors," J. Immunol., 142(5):1582-1590 (March 1, 1989)	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Premma Mertz	Date Considered	7/5/06
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